

Abstract of the invention

- 5 A mechanical-electronic shut-off system detects a shaft failure and initiates the shut-off of the fuel supply. It features, on the free end of a reference shaft (2) connected to the energy-consuming end of the respective shaft (1), an axially moveable signal trip element (13, 14) held under pre-load (12) whose locking arrangement (17,18) is released via a radial driver arrangement (17, 19) by rotary movement in the event of a shaft failure. The resultant relative rotation of the shaft (1) enables the signal trip element to move towards a sensor (21) or a switching element. An electric signal so produced instantly interrupts the further supply of fuel by means of an electronic control and avoids or controls a dangerous overspeed condition of the failed shaft.
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